

Collection No. 202

K. H. L. Key



**OLYMPIC**

*Meipa & Cooktown areas, Qld.*

**GLAMIS**

*2-14.v. 1981*

**DUPLICATE**

**CARBON BOOK**

(Octavo Size)

**100 Leaves in Duplicate**

**NUMBERED**

*Flexiflat*

**THERMO-PLASTIC BOUND**



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2-14. V. 1981, *Boerhaavia japonica*.

*Pycnanthemum serratum*, *Calceolaria capitata*, *Reichardia* sp., *Paraphan*  
*Desmodium nudicaule*, *Centropogon guttatus*, *Albaprops*

2/5. Collected on cliffs, etc. off Hotel &  
*Argemone* sp. *Stenocaulis* sp. *Centropogon* sp. *S. angustifolius*  
in immediate surroundings. (Weipa)

12533.7. Near Kew Point. Mixed enc.

*Desmodium* sp. *Centropogon* sp. to 40ft  
forest with *Centropogon* & bloodwoods, Tall

grass to 8ft & lower species. Occ. *Erythrophloeum*  
patches of *Pandanus*.

535.6. Gooding Point. Enc. spp., Hakea

*Desmodium* sp., *Reichardia* sp.  
sp., *Pandanus* sp. & other trees, some

monsoon forest type. Mixed grasses 1ft to  
6ft & *Themeda* sp. to 3ft in patches.

Return.

543.6. Hotel.

3/5.

547.9. P.O. (approx.)

559.2. Airport.

560.3. Level, with brown soil & fissile  
*Sonchella* sp., *Calceolaria* sp., *Metiella* sp. 2.

ground. *E. Centropogon* & bloodwoods to 90ft,

occ. *Erythrophloeum*, much regrowth of  
latter to 4ft. various shrublets & forbs,  
some trailing to 3ft, mixed grasses 2-

6ft. *Stenocaulis* sp. *Centropogon* sp. & *S.*  
*Centropogon* sp. occ. Return.



565.7. Crossed heavy equipment road.

Turned off into forest.

565.9. Very slight rise with gravel. E.

*Leckia* sp. <sup>populifolia</sup> *Leckia infirma*, *Conium maculatum*,  
*tetradonta* & bloodwood to 90 ft, with  
*Bumelia* sp. P212.

*Acacia* sp. + ? leafwood to 15 ft, dense grasses  
+ *Heteropogon triticeus* (R.Br.) Stapf, *Sorghum*  
to 4 ft + 8 ft, occ. forbs. Morabine on  
shallow ? *plumozum* (R.Br.) Beauv.  
grass (2 sample).

573.7. Hotel. Collected up to c. 500 m

*Bumelia* sp. P212, *Stenocarpus ambrosioides*.

ENE of hotel. E. *tetradonta* with

*Procris*, *Passiflora*, *Parabrotia nigrescens*

patches of closed forest elements, low-lying  
swampy areas with *Zoysia* + *Cyperaceae*,

+ mangroves lining sea. Morabine

*Alphitonia excelsa* (Forsk.) (specimen) Benth.

on ? *Alphitonia excelsa*, regrowth to 10 ft,

*Planchonina carex*  
also on a *Terminalia*. *Tetragid* on

cut sand among low mangroves to 4 ft.

4/5.

12581.14. Southern end of bridge to Andoom.

587.2. Bridge over Andoom CK. Return.

588.0. Salt flat in front of mangroves

*Chorizandra* *terminalis*, *Stenocarpus* sp. 1 to 3 ft,

margining creek. Scattered samphire

? *Zoysia* to 1 ft, scattered mangroves,

other low grasses.



589.3. E. lebedonita to 80 ft on typical  
~~Heteropogon~~ *Heteropogon brunneus* (L.)  
 gravelly flat, with *Acacia* sp., *Alphitonia*,  
*Planchonia careya*,  
 \* *Eriostrophium*, 1 ~~terminata~~ to 20 ft,

grasses to 8 ft, margins cleared & built up,  
 with mixed grasses & forbs to 2 ft. east.

590.6. Extensive swampy flat ~~bordering~~  
*Gossypia mundata*, *Tolgardia binistata*, *Gossypia* no. 57 sp. 1,  
 creek. *Melaleuca* catgut to 30 ft open with  
*Acrolopus thalassinus*, *Helotettix brunnei*,  
 large patches of various grasses 1-5 ft,

+ various sedges to 2 ft, a large patch of  
*Anthracanemum* to 2 ft (new genus on this).  
*Tolgardia* mainly on sedges, *Gossypia* on  
 succulent-type sedges at water's edge.

591.8. Northern ~~side~~ end of bridge.

599.4. Hotel.

11502 Hotel depart.

11566.8 Return (Horse Ck.)

573.9. Slightly undulating, with brown soil.  
*Centropogon musicus*, *Tolgardia infirma*, *Gossypia*  
 + abundant grasses. *E. confertiflora*, *E.*  
*oreans*, *Madagascaria* st. 1, *Stachys* sp. 1, *Pandanus*, *Gossypia*,  
*Callitriche*, *Oec. lebedonita*, *Eriostrophium*  
*Bundinia* sp. 2/2, *Cordia* *lobulata* (f)  
 all 50-60 ft, *Melaleuca* sp. to 30 ft,

*Petalostemum* spp (2) to 20 ft, *Centropogon*  
 sp. abundant to 5 ft, mixed grasses



occ.  
1-16 ft, scattered forbs, some almost bare ground.

578.9. Gently undulating + a steep slope  
Methicula sp. 2, Bandinja sp. P 1212, <sup>occ</sup>  
with lateritic rocks. Tetradonta x/ polyantha  
Peckeria sp. parviflorus (?)  
to 80 ft, scattered Acacia sp. + Erythrophileum  
<sup>canopy</sup>  
regrowth to 20 ft, Planchonia to 8 ft, grasses  
2-8 ft, mixed forbs.

589.7. Marmoss Ck. (crossing from east)

5/5.

12607.0 Hotel.

616.8. Left airport road on Coon road.

625.6. Very slight broad depression with palm  
mixed roach, Telodora infimilis, Calceolaceae,  
grey nodule-bearing soil. E. tetradonta,  
Heteropteryx, oc. ch. aculea, dense Euphorbia  
bloodwood, x/ Erythrophileum to 70 ft. Acacia  
nervosa, Macleodina sp. 1, Rectroptis sp., Bandinja  
sp. 2 other small trees to 20 ft. regrowth of  
P 1212, Acacia, Macleodina sp. 12 to 8 ft  
3 Planchonia Erythrophileum x/ 1 Banksia  
sp. to 3 ft. Mixed grasses to 2 ft. some bare  
patches. Return.

634.5. Joined airport road.

640.6. Took Andoom fork x then first left.

641.8 Turned right. ~~20~~

643.3 Road joins Andoom road. Return.



643.5. Low closed forest between <sup>(1)</sup> a swamp  
*Thaumatococcus* *pennsylvanicus*, *Calophyllum* *viridifolium*, *Myrsine*  
 with paper-bark, sedges, *Cratogeomys*, with  
*basalis*  
 lush low forest & sedges near water & (2)

mangroves. Patches of *Themeda* rank  
 grasses & sedges before mangroves.

6/5. Flew to Heathlands & collected <sup>for 2 hrs</sup> in  
*Metriola* sp. 2, *Gonocarpus* *cuspidatus*, *Acrida* *conica*,  
 heath ranging from 2ft to 6ft within  
*Heteropternis* *obscurus* (G.), *Pycnosotus* *seriatus*,  
 3 km of station head quarters. Shrub  
*redtipops* sp.

Species were not numerous, included 1 <sup>on</sup>  
 a *Canarina*  
*Banksia* *denticulata* (?), a *Leptospermum*, &

a few others, including *Grevillea*  
*pteridifolia* & *G. glauca* (emergent to  
 12ft.). Ground cover sparse grasses &  
 sedges. Area a gently undulating  
 sandplain with cream-coloured  
 sand ~~be~~ bearing scattered low  
 coniferous. Composition of community  
 very uniform. All species of acridids &  
 tettigoniids very sparse.

7/5.

716.5. Junction of Andoom & airport  
 roads.



717.3. Swamp (*Cyperaceae* to 5ft) +

*Rectropis* sp., *Pandanus* sp. 1212, *Bemioles*  
fringing closed forest margining *Trunding*  
*nigrobittatus*

Ck. *E. leiodonta*, *Erythrophileum*, ? *Tristania*

sp., paperbarks, *Acacia* sp., *Pandanus* sp. 1

(to 15ft), *Banksia dentata* to 20ft,

*Livistona* to 12ft, *Planchonia*, coarse

grasses, forbs, some have litter. *Bemioles*

on *Pandanus* regrowth. Gesonia -

717.7. Gentle rise with brown soil +

*Sonchaceae* *coccos*  
scattered rocks of latite. *E. leiodonta*  
occ.

to 50ft w/ *Erythrophileum*, *Acacia* sp. to 15ft +

occ. other small trees. Regrowth of *Planchonia*

to 8ft, Occ. *Livistona* to 4ft, mixed grasses

2-8ft. *Stenos. vitripennis*. Return.

724. Hotel depart.

725.0 Turned right.

725.7 Turned right.

726.7. Vine scrub on sand behind mangrove

on beach. *Paperbarks* to 50ft, *Ficus* sp.

numerous closed forest tree species, occ.

*Pandanus*, lianes, sometimes dense low

shrubs + passion fruit vines, occ. patches



of an Acanthaceae (?) similar to  
 Hypoestes & inhabited by a small  
 phanerophorine similar to that from that  
 genus in Arabian Land. No Atractomorpha  
 known. Lechitropis, Stenocatantops angust-  
ifrons. Retum. (Gastromargus in grass  
 fringing road.)

Miscellaneous notes, Utiipa: -

The Brundinja appeared to live on  
 grass in the young stages & then transfer  
 to ? Amphistonia or Planchonia carya in  
 later instars. Only one larval adult  
 was found on grass. The locals all  
 say the best time for insects, &  
 especially phasmids, is March.  
 One would be able to get about well  
 within Utiipa & immediate surrounds  
 in that month.



Site 1  
 9/5. Cocktown. Walked from hotel up  
 staircase to top of grassy hill. Steep slopes,  
*Scaevola* *occidentalis*, *Leptochloa* sp., *Tetradlea* *uniflora*,  
 with granite boulders exposed in  
 places, topped with sedimentary at  
 upper levels. Coarse granitic sandy soil.  
*E. tessellaris*, *E. intermedia*, *E. tereticaornis*  
*Erythrophloeum*, scattered *Cycas* <sup>media</sup> very acc.  
*Pandanus*, see *Alphitonia* to 12ft, some  
*Grevillea* *glauca* to 15ft, <sup>very</sup> 10cc. *Ficus*.  
 Mixed grasses, including a little  
*Themeda*, & forbs. ~~to~~

Site 2 Between hotel & Finch Bay. Nearly  
 white sandy soil, for much of the  
 distance bearing paper-bark *Melaleuca*  
*Leptochloa* sp., *Pygostictus* *seratus*, *Syzygium* *retrofractum*  
 in depression along a small creek. Occ.  
*Themeda* *pustulata*  
 other trees, eg. *E. tereticaornis*, *Erythrophloeum*.  
 Mostly dense grass-forest & herbaceous  
 stratum with acc. regrowth of trees; more  
 very grasses to 2ft further away from  
 creek. *Theophrastus* on lush grass-forest  
 mixture to grass alone to 15in.

10/5.

Site 3 Salt marsh flanked on seaward side



by paperbark to 40 ft & on seaward side by *Chortocarpus hemisphaericus*, *Austrocaris gutturalis*, mangroves. Large stretches of dense grass & *Basalis*, *Stenocarpus vitreus*, *Lyphichia* to 9 in., smaller areas of samphire to *rubripes*, *Bundinia phasma* 1 ft on mud. Short among grass & samphire, *Morabumia* in taller grass amongst regrowth of paperbark.

Site 4. West end of old airstrip. Shrubby *Tolgardia birtata*, *T. inferna*, *Lesoula mundata*, samphire & many species of low samphire *Berriodes nigro-birtata* less dense grass to 9 in. On brown mud leading to mangroves. On land *Chortocarpus* *E. terminalis*, *E. Stenocarpus* side paperbark, *Leptocarpus*, *alba*, all to 20 angustifrons, *Gastropogon mytilus*, *Austrocaris* ft. a *Hakea* to 12 ft, *Pandanus* acc. to 15 ft, *Basalis*, *Lyphichia rubripes*, *Bundinia phasma*, mixed grasses 1-4 ft & forbs. *Morabumia* on grasses, both short & taller. *Oxyria* on *Pandanus*, *Tolgardia* in gutter with succulent growth.

Site 5. Gently undulating pale brown soil with *Lesoula vocans*. *E. alba*, *E. intermedia* & paperbark to 30 ft. mixed grasses & forbs 1-4 ft.

11/5.

Site 6. Melaleuca swamp at foot of Mt. *Bundinia phasma*, *Austrocaris basalis*, *Lesoula vocans*, Cook. Paper bark & *E. tessellata* to 40 ft *Lesoula mundata*, *Pycnostictus variatus*, with ? lilaceous succulent (yellow flowers)



Odometer readings from here to end  
are in miles 10

10.2 ft + regrowth of *Melaleuca* to 2 ft amongst  
*Araucarioxymorpha humilis*, *Acacia* *basalis*,  
mixed grasses + forbs. Moraine amongst  
*Melaleuca* regrowth + grass. Ground on  
siliceous plant.

Site 7. Keatings Gap. Mesophyll vine  
*Goniolobus vocatus*, *Thomaspus baduus*,  
forest to east, E. *Acacia* to 50 ft with  
*Richtia* sp. to 3 ft <sup>to west</sup>, also grasses to  
3 ft + occ. shrublets. All specimens from  
mesophyll forest.

*Bermudella nigrolineata*, *Thomaspus baduus*, *Talgadiaphorhiza*  
Site 4 (repeat) Collected on Pandanus.

Site 8. Airport - cleared, mixed grasses +  
*Valanga inegalans*, *Stenacaronops angustifrons*,  
forbs 2-4 ft. *Valanga* near mangro trees + on  
*Richtia* sp. shrub at terminal.

12/5 56620

Habitat

Site 9. East of Hopevale Miss. fl. white sand,  
*Heteropternis obscurula*, *Lycopodium rubripes*, *Ceroidia*  
with *Melaleuca* *paperbark* (2 spp.) to 40 ft.  
*Lobelia* (j.), *Burdingia* *placida*  
regrowth from 1 ft, another small tree or  
tall shrub to 25 ft, *Acacia* sp. to 15 ft,

occ. Pandanus + regrowth, dense *Simoda*  
*Simoda* *lysiophala* (F. Muell. + F. M. Bailey) S. T. Blake  
(spec.) to 7 ft + abundant regrowth  
(moraine on this), some grass 1-2 ft,  
*Samborhiza* *johnsonii*.

This community is marginal to heath.  
Return.



624. Fork to left.

625. Fork.

626.2 Slope with brown soil & occ. sandstone  
*Opuntia* ~~rubripes~~, *Thamnos* ~~badius~~, *T. gadii*  
 70 ft. *E. polycarpa*, *E. alba* to 60 ft, *Cercocarpus*  
~~laevigata~~, *Condalia* ~~plasma~~, *Cercidia*, *Leptosiphon* (f),  
*Glauca*, *Acacia* spp. (2), *S. splendens*,  
~~*Conocarpus*~~ *oculus*  
*Melaleuca* sp. to 15 ft, *Xanthorrhoea*  
*johnsonii* to 3 ft abundant, occ. *Cycas*,  
 grass dense to 2 ft (mainly *Themeda*  
*australis* & occ. to 8 ft, scattered forbs.

627.3. Creek crossing. (Carnel Cr.)

627.8. Hopevale P.O.

630.0 Turned NW. Webb road.

634.7. Turned right on Battle Camp road.

636.0. Turn off to R.

638.3. Doakella Cr. crossing. (Kept to old <sup>Laurel</sup> h.)

640.4. Steadily increasing slope with beige  
*Macrotoma* ~~picta~~, *Sumbul* ~~sp. 16~~, *Thamnos* ~~badius~~,  
 sandy soil, leading to a 20 ft broken  
~~*Siphocampylus*~~ *rubripes*, *Macrotoma* ~~sp. 12~~  
 sandstone scarp with flat top. *E.*  
<sup>& *Erythrophloeum*</sup> *polycarpa* & *E. tetradonta* to 50 ft with  
*Acacia* sp., *Cercocarpus* ~~pteridifolia~~, *E. glauca*,  
*Casuarina* sp. to 20 ft, *Planchonia*  
 & *Banksia* ~~congesta~~  
*Carex* ~~sp.~~ to 15 ft, occ. *Petalostemum* to 6 ft.



*Xanthorrhoea johnstonii* to 4 ft, occ.

*Pandanus* & regrowth, *Triodia/Plectrachne* to 2 ft, other wiry grasses, scattered forbs.

*Sumbulera* in *Triodia*, *Macrostoma* on rocks.

642. 4. Flat with near-white sand.

*Butea paripennis*, *Thecophaps badius*, *Leucospiza*,  
*E. phalaenopsis* with occ. *E. polycarpa* &  
105 sp. 3, *Lophochlaena rubripes*, *Grass* no. 112 sp. 1,  
*Erythrophloeum*, all to 6 ft. *Planckonia*  
*bonaria* oceanus, *Bundinia* *stans*, etc.

*Canopy* to 13 ft, scattered *Petalostegia* to 3 ft, *Acacia* sp. to 12 ft, sparse wiry grasses & scattered *Triodia/Plectrachne*, occ. *Hibbertia* sp. Much leaf litter. *Frankia*

? *Kennedya* sp., other forbs. *Lignum*.

*Podotettix nigrescens*, *Helictes holman*

656. 7. Leggett's Crossing

13/5.

677. 2. Hotel depot.

681. 8. Gradually steepening along slopes

*Emmema oceanus*, *Thecophaps badius*, *Telodroma nigripennis*,  
of small hill, quartzite stones to 4 in.  
*Leucospiza paripennis*, *Lophochlaena* all to 30 ft,  
*E. polycarpa*, *E. alba* occ. *E. tenetecornis*,  
*rubripes*  
narrow-leaved *Melaleuca* to 20 ft, occ.

*Erythrophloeum*. *Themeda australis* the principal grass to 3 ft, occ. forbs & regrowth.

683. 12. Low lying flat, with pale grey-brown



soil. *E. polycarpa*, *E. alba*, to 30 ft, broad-leaved  
*Calidia capitata*, *Tolagadia infima*, *Peckia paripalunus*,  
*Melaleuca* + occ. *Hakea* sp. to 20 ft, dense  
*Stenocaulopus viripennis*, *Theomolfus badius*  
 grass, mainly *Themeda australis* &

? *Brickanthium* to 3 ft. Regrowth of *Pandanus*,  
*Acacia*, & *Melaleuca*.

683. 4 Turned L.

685. 0. Great-croonip.

685. 7. ditto.

687. 6. Track off to L.

689. 2. Janer's crossing of Indragone R.

Return north of river.

689. 6. Back on main north road.

14/5.

Site 2 (repeat) *Bemmiodes nigrobittata*  
*Bemmiodes* on *Pandanus*  
 at 3 ft.